

BEST AVAILABLE COPY

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/741,843D
Source: JFW16
Date Processed by STIC: 09/20/2005

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number:

09/241,843D

CRF Edit Date:

9/20/2005

Edited by:

DA

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ ~~invalid~~ beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:

Revised 09/09/2003



IFW16

RAW SEQUENCE LISTING

DATE: 09/20/2005

PATENT APPLICATION: US/09/741,843D

TIME: 13:02:54

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\09132005\I741843D.raw

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3 <110> APPLICANT: LEUNG, Shui-on
4     HANSEN, Hans
6 <120> TITLE OF INVENTION: IMMUNOCONJUGATES AND HUMANIZED ANTIBODIES SPECIFIC FOR B-
CELL LYMPHOMA
7     AND LEUKEMIA CELLS
9 <130> FILE REFERENCE: 40923-0048US3
11 <140> CURRENT APPLICATION NUMBER: US 09/741,843D
12 <141> CURRENT FILING DATE: 2000-12-22
14 <150> PRIOR APPLICATION NUMBER: US 09/127,902
15 <151> PRIOR FILING DATE: 1998-08-03
17 <150> PRIOR APPLICATION NUMBER: US 08/690,102
18 <151> PRIOR FILING DATE: 1996-07-31
20 <150> PRIOR APPLICATION NUMBER: US 08/289,576
21 <151> PRIOR FILING DATE: 1994-08-12
23 <160> NUMBER OF SEQ ID NOS: 25
25 <170> SOFTWARE: PatentIn version 3.1
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40 1          5          10          15
42 gaa aac gtc act atg agc tgt aag tcc agt caa agt gtt tta tac agt      96
43 Glu Asn Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
44          20          25          30
46 gca aat cac aag aac tac ttg gcc tgg tac cag cag aaa cca ggg cag      144
47 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
48          35          40          45
50 tct cct aaa ctg ctg atc tac tgg gca tcc act agg gaa tct ggt gtc      192
51 Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
52          50          55          60
54 cct gat cgc ttc aca ggc agc gga tct ggg aca gat ttt act ctt acc      240
55 Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
56 65          70          75          80
59 atc agc aga gta caa gtt gaa gac ctg gca att tat tat tgt cac caa      288
60 Ile Ser Arg Val Gln Val Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln
61          85          90          95
63 tac ctc tcc tcg tgg acg ttc ggt gga ggg acc aag ctg gag atc aaa      336

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69 Arg
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85          20          25          30
88 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
89          35          40          45
92 Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
93          50          55          60
96 Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
97 65          70          75          80
100 Ile Ser Arg Val Gln Val Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln
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127 tca gtg aag atg tcc tgc aag gct tct ggc tac acc ttt act agc tac
128 Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
129          20          25          30
131 tgg ctg cac tgg ata aaa cag agg cct gga cag ggt ctg gaa tgg att
132 Trp Leu His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
133          35          40          45
135 gga tac att aat cct agg aat gat tat act gag tac aat cag aac ttc
136 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
137          50          55          60
139 aag gac aag gcc aca ttg act gca gac aaa tcc tcc agc aca gcc tac
140 Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
141 65          70          75          80
143 atg caa ctg agc agc ctg aca tct gag gac tct gca gtc tat tac tgt
144          288

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144 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
145                               85                               90                               95
147 gca aga agg gat att act acg ttc tac tgg ggc caa ggc acc act ctc      336
148 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Leu
149                               100                               105                               110
151 aca gtc tcc tcg      348
152 Thr Val Ser Ser
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157 <211> LENGTH: 116
158 <212> TYPE: PRT
159 <213> ORGANISM: Murinae gen. sp.
161 <400> SEQUENCE: 4
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167 Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
168                               20                               25                               30
171 Trp Leu His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
172                               35                               40                               45
175 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
176                               50                               55                               60
179 Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
180 65                               70                               75                               80
183 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
184                               85                               90                               95
188 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Leu
189                               100                               105                               110
192 Thr Val Ser Ser
193                               115
196 <210> SEQ ID NO: 5
197 <211> LENGTH: 339
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapiens
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204 <223> OTHER INFORMATION:
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211 gat agg gtc act atg agc tgt aag tcc agt caa agt gtt tta tac agt      96
212 Asp Arg Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
213                               20                               25                               30
215 gca aat cac aag aac tac ttg gcc tgg tac cag cag aaa cca ggg aaa      144
216 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
217                               35                               40                               45
219 gca cct aaa ctg ctg atc tac tgg gca tcc act agg gaa tct ggt gtc      192
220 Ala Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val

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Input Set : A:\pto.da.txt

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221      50                      55                      60
223 cct tcg cga ttc tct ggc agc gga tct ggg aca gat ttt act ttc acc      240
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225 65                      70                      75                      80
227 atc agc tct ctt caa cca gaa gac att gca aca tat tat tgt cac caa      288
228 Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys His Gln
229                      85                      90                      95
231 tac ctc tcc tcg tgg acg ttc ggt gga ggg acc aag gtg cag atc aaa      336
232 Tyr Leu Ser Ser Trp Thr Phe Gly Gly Gly Thr Lys Val Gln Ile Lys
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235 cgt      339
236 Arg
241 <210> SEQ ID NO: 6
242 <211> LENGTH: 113
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244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 6
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253                      20                      25                      30
256 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
257                      35                      40                      45
260 Ala Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
261      50                      55                      60
264 Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr
265 65                      70                      75                      80
268 Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys His Gln
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273                      100                      105                      110
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280 <211> LENGTH: 348
281 <212> TYPE: DNA
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292 1                      5                      10                      15
294 tca gtg aag gtc tcc tgc aag gct tct ggc tac acc ttt act agc tac      96
295 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
296                      20                      25                      30
298 tgg ctg cac tgg gtc agg cag gca cct gga cag ggt ctg gaa tgg att      144
299 Trp Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile

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TIME: 13:02:54

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\09132005\I741843D.raw

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300          35          40          45
303 gga tac att aat cct agg aat gat tat act gag tac aat cag aac ttc      192
304 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
305          50          55          60
307 aag gac aag gcc aca ata act gca gac gaa tcc acc aat aca gcc tac      240
308 Lys Asp Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr
309 65          70          75          80
311 atg gag ctg agc agc ctg agg tct gag gac acg gca ttt tat ttt tgt      288
312 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Phe Tyr Phe Cys
313          85          90          95
315 gca aga agg gat att act acg ttc tac tgg ggc caa ggc acc acg gtc      336
316 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Val
317          100          105          110
319 acc gtc tcc tcg      348
320 Thr Val Ser Ser
321          115
324 <210> SEQ ID NO: 8
325 <211> LENGTH: 116
326 <212> TYPE: PRT
327 <213> ORGANISM: Homo sapiens
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340          35          40          45
343 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
344          50          55          60
347 Lys Asp Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr
348 65          70          75          80
351 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Phe Tyr Phe Cys
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355 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Val
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359 Thr Val Ser Ser
360          115
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367 <213> ORGANISM: Homo sapiens
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372 1          5          10          15
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376          20          25          30
379 Trp Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
380          35          40          45
383 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe

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VERIFICATION SUMMARY

DATE: 09/20/2005

PATENT APPLICATION: US/09/741,843D

TIME: 13:02:55

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\09132005\I741843D.raw

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**Raw Sequence Listing before editing,
for reference only**



IFW16

RAW SEQUENCE LISTING

DATE: 09/14/2005

PATENT APPLICATION: US/09/741,843D

TIME: 09:31:17

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09142005\I741843D.raw

3 <110> APPLICANT: LEUNG, Shui-on
 4 HANSEN, Hans
 6 <120> TITLE OF INVENTION: IMMUNOCONJUGATES AND HUMANIZED ANTIBODIES SPECIFIC FOR B-CELL LYMPHOMA
 7 AND LEUKEMIA CELLS
 9 <130> FILE REFERENCE: 40923-0048US3
 11 <140> CURRENT APPLICATION NUMBER: US 09/741,843D
 12 <141> CURRENT FILING DATE: 2000-12-22
 14 <150> PRIOR APPLICATION NUMBER: US 09/127,902
 15 <151> PRIOR FILING DATE: 1998-08-03
 17 <150> PRIOR APPLICATION NUMBER: US 08/690,102
 18 <151> PRIOR FILING DATE: 1996-07-31
 20 <150> PRIOR APPLICATION NUMBER: US 08/289,576
 21 <151> PRIOR FILING DATE: 1994-08-12
 23 <160> NUMBER OF SEQ ID NOS: 25
 25 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
 Corrected Diskette Needed
 (Pg 1)

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 635 ggtggattcg tctgcagtta ttgtggcctt gtccttgaag ttctgattgt actcagtata 180
 637 atcattccta ggattaatgt atccaatcca ttccagacct tgtccagggtg cctgcctgac 240
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VERIFICATION SUMMARY

DATE: 09/14/2005

PATENT APPLICATION: US/09/741,843D

TIME: 09:31:18

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L:289 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:287
L:645 M:254 E: No. of Bases conflict, this line has no nucleotides.